ABSTRACT OF THE DISCLOSURE

An optoelectronic apparatus for detecting objects in a monitored region includes a transmitter that emits transmission light, a receiver that receives a reflected light, and an evaluation unit, in which the transit time $\ensuremath{\text{t}_{\text{o}}}$ of the transmission light that is guided in the monitored region and reflected back, as a reflected light, by an object is evaluated. The transmitter emits the transmission light in the form of a sequence of transmission light pulses. A portion of the light quantity of a transmission light pulse is coupled out as a reference transmission light pulse and guided by way of a reference path to the receiver. The transit time $t_{R}\ of\ the\ reference$ transmission light pulse guided as a reference reflected light pulse to the receiver is determined in the evaluation unit. The transit-time difference t_{o} - t_{R} is used to determine the distance of an object.

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